

EUROSTAR

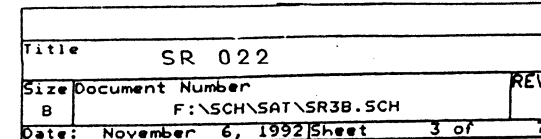
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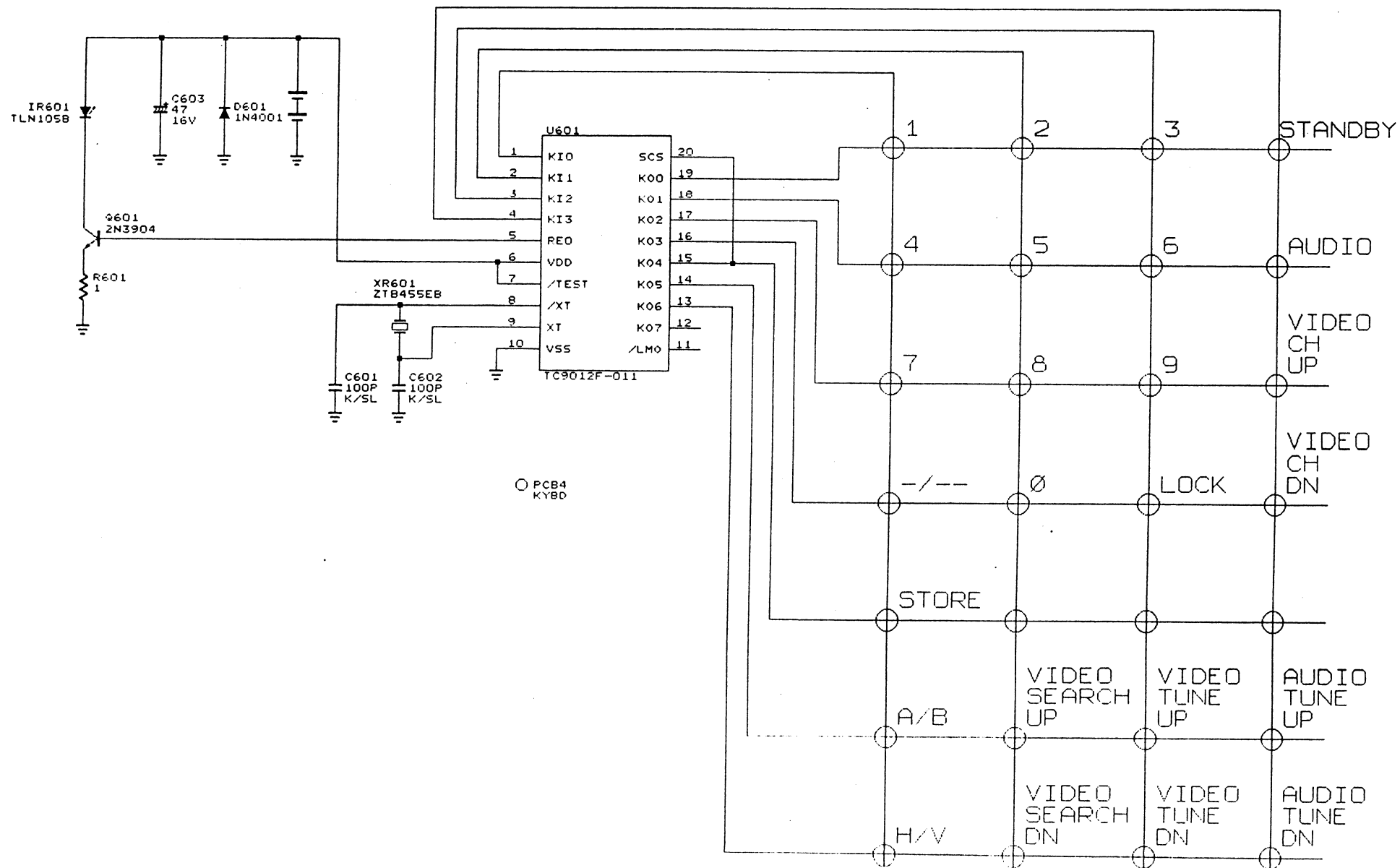
MODEL

SERVICE MANUAL

PART NO.	DESCRIPTION	QTY	Reference
04FHM4730000	CER Z5V 50V +80-20% 0.047 uF	9	C223,C226,C227,C230,C236,C238,C239,C243 C224,C225,C228,C232,C234,C241,C246,C407,C502
04GHH1010000	CER Y5P 50V +10% 100 pF	1	C513
04GHH2210000	CER Y5E 50V +10% 220 pF	3	C501,C514,C519
04GHH3310000	CER Y5E 50V +10% 330 pF	1	C131
04GHH4710000	CER Y5E 50V +10% 470 pF	2	C335,C336
04GHH6810000	CER Y5E 50V +10% 680 pF	2	C333,C334
04GHH1020000	CER Y5P 50V +10% 1000 pF	1	C133
04GHH1520000	CER Y5P 50V +10% 1500 pF	2	C330,C331
04HHH1000000	CER SL 50V +10% 10 pF	3	C209,C240,C244
04HHH1800000	CER SL 50V +10% 18 pF	1	C201
04HHH3300000	CER SL 50V +10% 33 pF	4	C215,C216,C508,C509
04HHH1010000	CER SL 50V +10% 100 pF	3	C211,C601,C602
04HHH1210000	CER SL 50V +10% 120 pF	2	C326,C329
04IHG1800000	CER NPO 50V +5% 18 pF	1	C206
04IHG2200000	CER NPO 50V +5% 22 pF	1	C104
04IHG8200000	CER NPO 50V +5% 82 pF	3	C110,C204,C207
04IHG1210000	CER NPO 50V +5% 120 pF	1	C111
04IHG1510000	CER NPO 50V +5% 150 pF	2	C105,C106
04IHG2210000	CER NPO 50V +5% 220 pF	1	C109
04IHG2710000	CER NPO 50V +5% 270 pF	3	C123,C124,C205
04IHH2700000	CER NPO 50V +10% 27 pF	1	C242
04JIH1020000	MYLAR 100V +10% 1000 pF	1	C127
04JIH1040000	MYLAR 100V +10% 0.1 uF	1	C118
05CDC1R00000	CARBON FILM 1/4W 5% 1 Ohm	1	R601
05CDC0220000	CARBON FILM 1/4W 5% 22 Ohm	4	R145,R234,R236,R334
05CDC0820000	CARBON FILM 1/4W 5% 82 Ohm	2	R105,R114
05CDC1000000	CARBON FILM 1/4W 5% 100 Ohm	6	R110,R118,R140,R209,R241,R246
05CDC1500000	CARBON FILM 1/4W 5% 150 Ohm	3	R120,R129,R130
05CDC1800000	CARBON FILM 1/4W 5% 180 Ohm	1	R109
05CDC2000000	CARBON FILM 1/4W 5% 200 Ohm	2	R102,R127
05CDC2200000	CARBON FILM 1/4W 5% 220 Ohm	1	R108
05CDC2700000	CARBON FILM 1/4W 5% 270 Ohm	1	R117
05CDC3000000	CARBON FILM 1/4W 5% 300 Ohm	2	R122,R123
05CDC3300000	CARBON FILM 1/4W 5% 330 Ohm	2	R215,R230
05CDC3900000	CARBON FILM 1/4W 5% 390 Ohm	11	R139,R231,R233,R516,R517,R518,R519,R520,R521,R522,R523
05CDC4700000	CARBON FILM 1/4W 5% 470 Ohm	3	R111,R119,R124
05CDC5600000	CARBON FILM 1/4W 5% 560 Ohm	2	R342,R348
05CDC6800000	CARBON FILM 1/4W 5% 680 Ohm	3	R213,R247,R420
05CDC8200000	CARBON FILM 1/4W 5% 820 Ohm	3	R101,R104,R208
05CDC1001000	CARBON FILM 1/4W 5% 1 K	7	R112,R125,R133,R136,R201,R539,R540
05CDC1201000	CARBON FILM 1/4W 5% 1.2 K	4	R148,R218,R240,R536
05CDC1501000	CARBON FILM 1/4W 5% 1.5 K	1	R405
05CDC2201000	CARBON FILM 1/4W 5% 2.2 K	4	R204,R220,R229,R320
05CDC2701000	CARBON FILM 1/4W 5% 2.7 K	2	R403,R537
05CDC3301000	CARBON FILM 1/4W 5% 3.3 K	5	R219,R340,R510,R511,R514
05CDC3901000	CARBON FILM 1/4W 5% 3.9 K	2	R113,R126
05CDC4701000	CARBON FILM 1/4W 5% 4.7 K	12	R216,R235,R237,R304,R319,R325,R343,R425,R512,R513,R515,R525
05CDC5101000	CARBON FILM 1/4W 5% 5.1 K	1	R538
05CDC5601000	CARBON FILM 1/4W 5% 5.6 K	4	R210,R227,R322,R527
05CDC6801000	CARBON FILM 1/4W 5% 6.8 K	4	R132,R134,R202,R228

PART NO.	DESCRIPTION		QTY	Reference
01CDM0105001	uP-ASR 01	TMP47C433AN-	1	U502
01CLU0101000	ANALOG MX 2 CHANNEL	CD4053BE	2	U101,U302
01BLA0101000	OP AMP-QUAD	LM324N	2	U301,U304
01BLP0101017	COMPARATOR-DUAL	LM393	1	U401
01BIF0102005	FM IF	LA1260	2	U202,U203
01CLF0101005	AUDIO TUNING PLL	LC7215F	1	U201
01BLR0101017	VOLT REFERENCE 3.6V	TL431CLP	1	VRF1
01BLR1202018	VOLT REGULATOR	LM78L24	1	U404
01BLR0801018	VOLT REGULATOR	LM7805CT	1	U402
01BLR0802018	VOLT REGULATOR	LM7812CT	1	U403
01CDN0102018	SERIAL EEPROM 2K	NM93C56N	1	U501
01CDF1501001	IR TRANSMITTER	TC9012F-011	1	U601
02CAC0013007	TRANSISTOR-NPN	2N3904	20	Q102,Q103,Q105,Q106,Q107, Q110,Q112,Q201,Q202,Q203, Q204,Q302,Q401,Q403,Q405, Q406,Q407,Q501,Q507,Q601
02CDD0012003	TRANSISTOR-NPN	2SD1666S	1	Q402
02AAC0013007	TRANSISTOR-PNP	2N3906	10	Q101,Q104,Q109,Q111,Q301, Q502,Q503,Q504,Q505,Q506
02AAC0033007	TRANSISTOR-PNP	BC327	2	Q408,Q409
03AZZ0001000	DIODE-SIGNAL	1N4148	10	D102,D204,D205,D206,D207, D407,D418,D501,D502,D510
03AZZ0003000	DIODE-SMALL SIGNAL	1SS238	2	D201,D203
03CHD0101000	DIODE-RECTIFIER	1N4001	13	D403,D405,D406,D408,D410, D411,D412,D413,D414,D415, D416,D417,D601
03EAC03R9000	DIODE-ZENER 0.5W	3.90V	1	ZD201
03EAC06R8000	DIODE-ZENER 0.5W	6.80V	1	ZD502
03HZZ0003001	DIODE-VARI-CAP	1SV101	1	VD201
03LZZ0010001	DIODE-INFRARED	TLN105B	1	IR601
04ACI2270006	ELECT 10V +20%	220 uF	3	C103,C108,C121
04ACI4770006	ELECT 10V +20%	470 uF	3	C120,C128,C405
04AEI1060006	ELECT 16V +20%	10 uF	17	C112,C114,C117,C119,C122, C125,C126,C129,C218,C315, C316,C317,C318,C319,C325, C332,C517
04AEI2260006	ELECT 16V +20%	22 uF	7	C307,C322,C323,C324,C327, C328,C345
04AEI4760006	ELECT 16V +20%	47 uF	4	C231,C237,C339,C603
04AEI1070006	ELECT 16V +20%	100 uF	5	C107,C113,C130,C245,C404
04AEI2270006	ELECT 16V +20%	220 uF	1	C101
04AEI2280006	ELECT 16V +20%	2200 uF	1	C415
04AFI2280006	ELECT 25V +20%	2200 uF	1	C403
04AGI2270006	ELECT 35V +20%	220 uF	1	C408
04AGI1080006	ELECT 35V +20%	1000 uF	1	C402
04AHI2240006	ELECT 50V +20%	0.22 uF	1	C511
04AHI3340006	ELECT 50V +20%	0.33 uF	1	C413
04AHI4740006	ELECT 50V +20%	0.47 uF	1	C516
04AHI1050006	ELECT 50V +20%	1 uF	2	C219,C515
04AHI2250006	ELECT 50V +20%	2.2 uF	1	C321
04AHI2270006	ELECT 50V +20%	220 uF	1	C409
04FEI1040000	CER Y5V 16V +20%	0.1 uF	1	C213
04FEM1040000	CER Z5U 16V +80-20%	0.1 uF	8	C115,C320,C406,C505,C506, C507,C510,C512
04FHI2720000	CER Z5U 50V +20%	2700 pF	1	C229
04FHI4720000	CER Z5U 50V +20%	4700 pF	1	C235
04FHI4730000	CER Z5U 50V +20%	0.047 uF	2	C503,C504
04FHM1030000	CER Z5V 50V +80-20%	0.01 uF	18	C132,C202,C203,C208,C210, C212,C217,C220,C221,C222,

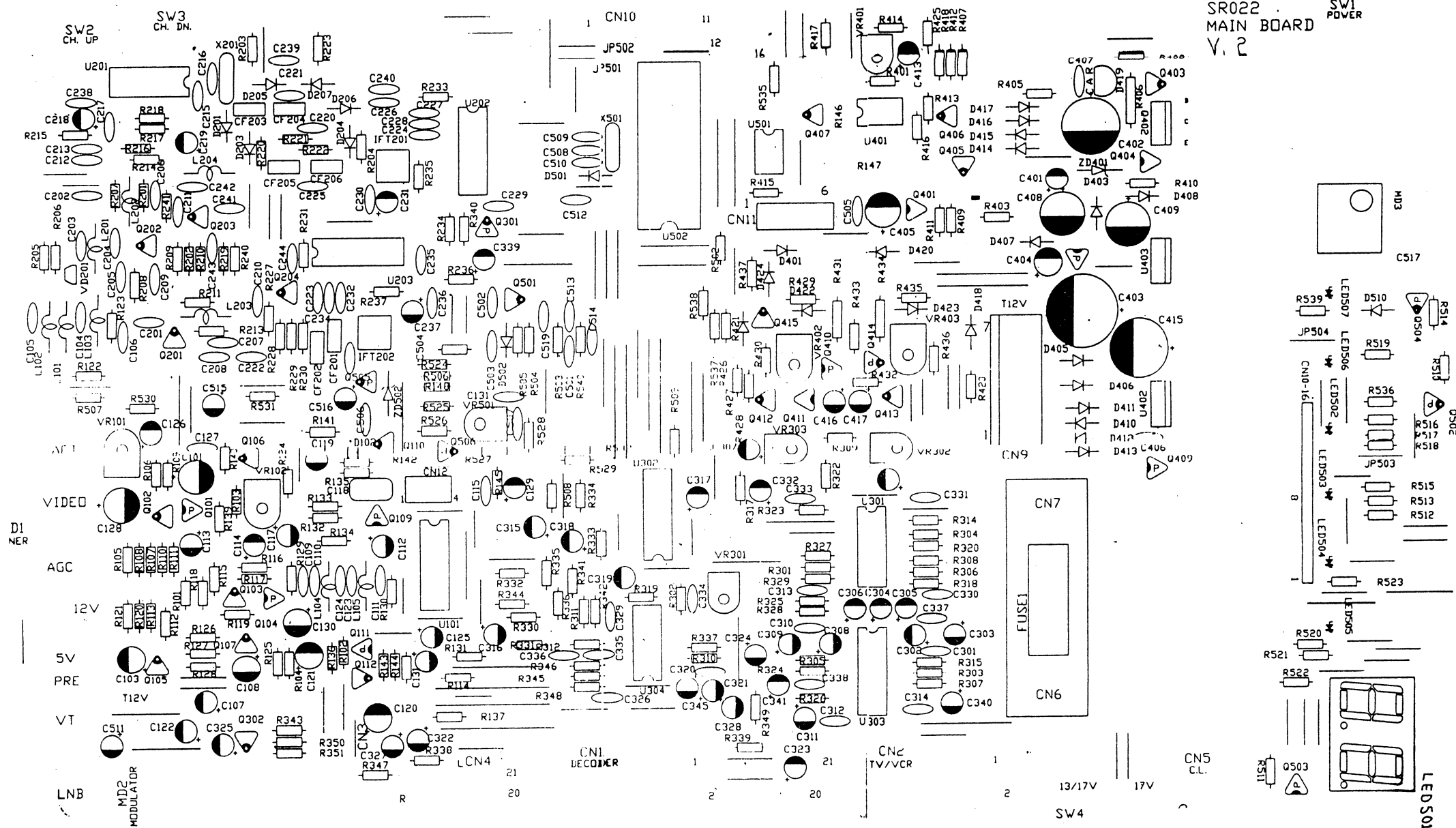


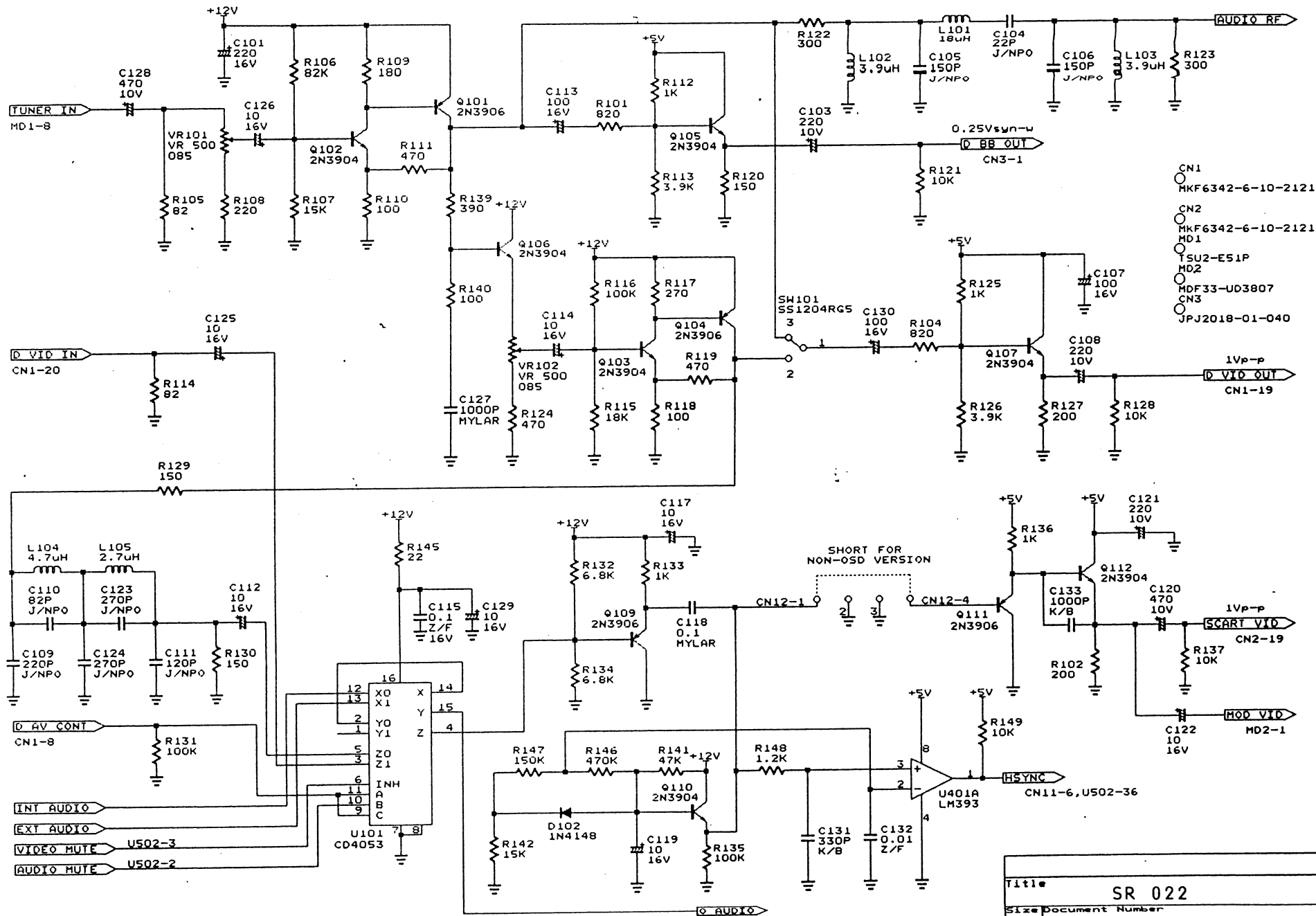


Title	SR 022 L		
Size	Document Number	REV	
B	F:\SCH\SAT\SR6.SCH	1	
Date:	October 27, 1992	Sheet	6 of 6

SR022
MAIN BOARD
V. 2

SW1
POWER





Title	SR 022
Size	Document Number
B	F:\SCH\SAT\SR1.SCH
Date:	November 9, 1992
Sheet	1 of 6
REV	2

SATELLITE RECEIVER SR022

Bill of Material

DATE: 16-Nov-92

PART NO.	DESCRIPTION		QTY	Reference
82NBS0010310	BOTTOM CABINET	ASR1	1	
82NBS0010400	KNOB-CHANNEL UP/DOWN	ASR1	1	
82NBS0010500	KNOB-POWER	ASR1	1	
82NBS0010600	MTG HOLDER	ASR1	2	
82NBS0010700	REMOTE TOP CABINET	ASR1	1	
82NBS0010800	REMOTE BOTTOM CABINET	ASR1	1	
82NBS0010900	REMOTE BATTERY DOOR	ASR1	1	
82NBS0011000	SCREW-DRIVER	ASR1	1	ACCESSORY

PART NO.	DESCRIPTION	QTY	Reference
05CDC1002000	CARBON FILM 1/4W 5% 10 K	15	R121,R128,R137,R149,R217, R309,R317,R338,R339,R347, R349,R502,R503,R526,R535
05CDC1502000	CARBON FILM 1/4W 5% 15 K	9	R107,R142,R214,R221,R222, R312,R346,R531,R532
05CDC1802000	CARBON FILM 1/4W 5% 18 K	1	R115
05CDC2202000	CARBON FILM 1/4W 5% 22 K	1	R528
05CDC2402000	CARBON FILM 1/4W 5% 24 K	2	R203,R223
05CDC3302000	CARBON FILM 1/4W 5% 33 K	4	R504,R505,R506,R507
05CDC3602000	CARBON FILM 1/4W 5% 36 K	4	R311,R341,R344,R345
05CDC3902000	CARBON FILM 1/4W 5% 39 K	4	R207,R242,R243,R426
05CDC4702000	CARBON FILM 1/4W 5% 47 K	14	R141,R205,R206,R244,R245, R350,R351,R413,R418,R508, R509,R524,R529,R547
05CDC5602000	CARBON FILM 1/4W 5% 56 K	1	R357
05CDC6802000	CARBON FILM 1/4W 5% 68 K	1	R337
05CDC7502000	CARBON FILM 1/4W 5% 75 K	2	R302,R323
05CDC8202000	CARBON FILM 1/4W 5% 82 K	2	R106,R416
05CDC9102000	CARBON FILM 1/4W 5% 91 K	2	R315,R318
05CDC1003000	CARBON FILM 1/4W 5% 100 K	13	R116,R131,R135,R306,R310, R330,R331,R332,R333,R335, R336,R401,R417
05CDC1203000	CARBON FILM 1/4W 5% 120 K	1	R414
05CDC1503000	CARBON FILM 1/4W 5% 150 K	1	R147
05CDC1803000	CARBON FILM 1/4W 5% 180 K	1	R211
05CDC2203000	CARBON FILM 1/4W 5% 220 K	1	R308
05CDC4703000	CARBON FILM 1/4W 5% 470 K	1	R146
05CFC1R80000	CARBON FILM 1/2W 5% 1.8 Ohm	1	R406
05MBA2742000	METAL FILM 1/8W 1% 27.4K	3	R541,R542,R544
05MBA7322000	METAL FILM 1/8W 1% 73.2K	5	R530,R543,R545,R546,R548
05MDA2201000	METAL FILM 1/4W 1% 2.2 K	1	R407
05MDA6271000	METAL FILM 1/4W 1% 6.27K	1	R412
05MDA1002000	METAL FILM 1/4W 1% 10 K	1	R408
06TAD1040004	VR-TRIMMER FRB-065 10 K	3	VR301,VR303,VR501
06TAD2040004	VR-TRIMMER FRB-065 20 K	1	VR302
06TAD5040004	VR-TRIMMER FRB-065 50 K	1	VR401
06TAD5020104	VR-TRIMMER FRB-085 500 Ohm	2	VR101,VR102
07ABB2290101	INDUCTOR-EC36 10% 2.2 uH	2	L202,L204
07ABA2790101	INDUCTOR-EC36 5% 2.7 uH	2	L105,L203
07ABB3990101	INDUCTOR-EC36 10% 3.9 uH	3	L102,L103,L201
07ABB4790101	INDUCTOR-EC36 10% 4.7 uH	1	L104
07ABB1800101	INDUCTOR-EC36 10% 18 uH	1	L101
08IZN0120017	X'FORMER-IF 10.7 MHz 7M7A161R	2	IFT201,IFT202
08PZV0010016	X'FORMER-POWER SR022	1	T1
09RAB4550209	RESONATOR 455 KHz ZTB455EB	1	XR601
09CCB1052701	CER FILTER 10.52MHz SFE10.52MJA1	2	CF201,CF202
09CCA1072701	CER FILTER 10.7 MHz SFE10.7MA5-A	2	CF205,CF206
09CCB1072701	CER FILTER 10.7 MHz SFE10.7MJA10	2	CF203,CF204
10BZA0419402	CRYSTAL 4.194304MHz 30PPM HC49U	1	X501
10BZA1116002	CRYSTAL 11.160MHz 30PPM HC49U	1	X201
12SUA0100001	TUNER TSU2-E51P	1	MD1
12MGA0100001	MODULATOR MDF33-UD3807	1	MD2
14STS0011123	PCB MAIN R1(94V0) ASR1	1	PCB1
14STS0012023	PCB DISPLAY (94V0) ASR1	1	PCB2
14SGS0013013	PCB KYBD (94HB) ASR1	1	PCB4
15CFV0500200	FUSE-TRAID 0.50A/250V 50F-0.5A	1	FUSE1
17RRS0205010	LED-2X5mm RECT RED BL-R1112N	6	LED502,LED503,LED504,LED505, LED506,LED507
17ARM0714020	LED-0.56" DUAL DIGIT TOD-5261BR	1	LED501

PART NO.	DESCRIPTION	QTY	Reference
18SSN0002116	JACK-SCART MKF6342-6-10-2121	2	CN1,CN2
18JPN0000143	JACK-RCA JPJ2018-01-040 YELLOW	1	CN3
18JPN0000413	JACK-RCA JPJ9411-01-320 WHITE/RED	1	CN4
19MZN1111012	SWITCH-TACT R 1P1T KPT1105V	3	SW1,SW2,SW3
19SBN1210021	SWITCH-SLIDE V 1P2T SS1204RG5	1	SW101
21TTA0000102	CONNECTOR-CLOSED END H8CE2	1	CN8
21TTA0000112	CONNECTOR-METAL PIN PRA23601710	2	CN6,CN7
21CZA0000102	CONNECTOR-SLEEVE 1085	1	
21STC5000702	WAFER-JM2422-7 7 PIN	1	CN9
22FCN0601501	ARRAY 60mm/4mm 15P	1	CN10
22PZV0220213	CORD-AC POWER VDE 2.2 M	1	AC IN
22CZN0100220	CABLE-TV ANTENNA 1 M	1	
23WSA0000500	WIRE BARE JUMPER 0.5mm mm	138	JP501,JP502,JP503,JP504
23WBB0752611	WIRE S- 75-3 1007/26 BLACK	1	
23WRB0752611	WIRE S- 75-3 1007/26 RED	1	
23WWB0902611	WIRE S- 90-3 1007/26 WHITE	1	
23WRB3202222	WIRE S-320-4 1007/22 RED	1	12V
24PPU6010200	PVC FUSE COVER 840620-23	1	FUSE1
26IZS0010004	IR RECEIVER MODULE SBX1610-52	1	MD3
41FMB2005200	MACHINE F/H M2 X 5 + BLACK	2	SW101
41FTB3012210	TAPPING F/H T3 X12 + BLACK	4	FRONT PANEL-3,CN4-1
41PTZ3006220	TAPPING P/H T3 X 6 + SZINC	7	HEAT SINK-4,TRANSISTOR-3
41UTB3010210	TAPPING U/H T3.0X10 + TBLACK	5	METAL TOP CABINET
41WTZ3010210	TAPPING W/H T3 X 10 + ZINC	10	MAIN PCB-5,X'FORMER-4.POWER CORD-1
43PFW3316020	WASHER-FIBRE 3.3x16.0x2.0	1	POWER CORD MOUNTING
46CW03009005	POLYBAG 3.0x 9 ASR1	1	REMOTE
46CW04008005	POLYBAG 4.0x 8	1	RF CABLE
46CW04512005	POLYBAG 4.5x 12	1	POWER CORD
46CW06009505	POLYBAG 6.0x 9.5	1	INSTRUCTION
46CW12519005	POLYBAG 12.5x 19 (WARNING/RECYCLE)	1	MAIN UNIT
48NUS0010100	RUBBER-KEYPAD JMSR1309 ASR1	1	
51NRS0010110	INLAY-HANDSET TRIM SR022	1	
54NZS0010100	CONTACT-SPRING (+/-) ASR1	1	
54NZS0010200	CONTACT-SPRING (+) ASR1	1	
54NZS0010300	CONTACT-SPRING (-) ASR1	1	
55NZS0010110	BRACKET-FUSE HOLDER 05003N	2	
55NRS0010110	TOP CABINET ASR1	1	
56NBS0010110	HEAT SINK ASR1	3	
61NES0010100	CARTON (4) WHITE SR022	0	
63NWS0010100	POLYFOAM END CAP (L) ASR1	1	
63NWS0020100	POLYFOAM END CAP (R) ASR1	1	
65NZS0010200	GIFT BOX SR022	1	
66NZS0010100	INSTRUCTION SEG SR022	1	
66NZS0010200	GARANTEE CARD SR022	1	
66NZS0010300	DBP SHEET SR022	1	
72NCM0000200	CABLE TIE K1A94/2.4N	1	TRANSFORMER
81NGG0000100	LABEL-QC PASS GREEN	1	
81NRG0000100	LABEL-QC PASS RED	1	
81NDG0000100	LABEL-QC PASS GOLD	1	
81NTG0000100	LABEL-QC PASS BLUE	1	
81NYG0000100	LABEL-QC PASS YELLOW	1	
81NGS0010100	LABEL-GREEN POINT (S)	1	GIFT BOX
81NGS0010200	LABEL-GREEN POINT (L)	0	CARTON
81NWS0010300	LABEL-BACK SR022	1	
81NWS0010400	LABEL-SERIAL NUMBER SR022	3	UNIT-1,GIFT BOX-1,GARANTEE CARD-1
82NBS0010110	FRONT PANEL ASR1	1	
82NCS0010210	LENS-FRONT PANEL ASR1	1	